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AMENDMENT TO THE CLAIMS

Cancel claims 1-28.

29. (Currently Amended) A spin mixture comprising a spin agent and a polymer ~~mixture~~ comprising 0 to 95 % by weight of polyethylene or polyethylene terephthalate and 5 to 100% by weight of a functional polymer the functional polymer being polyethylene or polyethylene terephthalate having 1 to 25 mol % of pendant functional groups selected from the group consisting of fluorocarbon radicals and oxyethylene radicals.

30. (Currently Amended) A spin mixture comprising a spin agent and a polymer ~~mixture~~,
wherein the polymer ~~mixture~~ comprises 0 to 95 % by weight of a first polymer and 5 to 100 % by weight of a second polymer;
wherein the first polymer is selected from the group consisting of polyolefins, copolymers thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof; and
wherein the second polymer is selected from the group consisting of polyolefins, copolymers thereof with ethylenically unsaturated monomers, polyesters, and mixtures thereof, and the second polymer comprises 1 to 25 mol % of pendant functional groups selected from the group consisting of fluorocarbon radicals, vinyl silane radicals and oxyethylene radicals.

31. (Original) The spin mixture of Claim 30 wherein the spin agent is selected from the group consisting of aliphatic hydrocarbons, fluorocarbons, halogenated hydrocarbons, and hydrofluorocarbons

32. (Original) The spin mixture of Claim 30 wherein the polymer mixture comprises 70 to 95 percent by weight of the first polymer and 30 to 5 percent by weight of the second polymer.

33. (Original) The spin mixture of Claim 30 wherein the first polymer is polyethylene terephthalate.

34. (Original) The spin mixture of Claim 30 wherein the first polymer is polyethylene.

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35. (Original) The spin mixture of Claim 30 wherein the second polymer is polyethylene terephthalate.

36. (Original) The spin mixture of Claim 30 wherein the second polymer is polyethylene.

37. (Original) The spin mixture of Claim 30 wherein the pendant group is a fluoro-olefin radical.

38. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with fluoro-olefin radical.

39. (Original) The spin mixture of Claim 30 wherein the pendant group is oxyethylene trimer.

40. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with oxyethylene trimer.

41. (Original) The spin mixture of Claim 30 wherein the pendant group is a perfluorovinyl ether.

42. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with perfluorovinyl ether.

43. (Original) The spin mixture of Claim 30 wherein the pendant group is a vinyl silane.

44. (Original) The spin mixture of Claim 30 wherein the second polymer is grafted with vinyl silane.

45. (Original) The spin mixture of Claim 30 wherein the second polymer comprises 5 to 15 mol % of pendant functional groups.

46. (Original) The spin mixture of Claim 30 formed as a plexifilamentary yarn.

47. (Original) The spin mixture of Claim 30 formed as a microcellular foam.

48. (Original) The spin mixture of Claim 30 formed as a non-woven fabric.

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49. (Original) The plexifilamentary yarn of Claim 46 formed as a non-woven fabric.